

Appl No. 10/673,483
Amd. dated June 9, 2006
Reply to Office Action dated March 9, 2006

Amendments to the Specification

Please replace paragraph [0037] with the following paragraph:

[0037] FIG. 6 illustrates a four-cell example of beam wobbling in accordance with the present invention. Two rotations ($N=2$) are again assumed also in this example, and only the beams and/or rotations of relevance to this sector are shown. Thus, FIG. 6 illustrates one beam from each cell, denoted with A1, B1, C1 and respectively D1 in solid thick lines, representing the original position of the beams. The respective rotated variants A1R, B1R, C1R and D1R are shown in dotted lines. Also shown is a second beam D2 for cell D in a thinner, solid line, and the rotated variants A2R, B2R, C2R and respectively D2R of a second beam for all cells, in thinner dotted lines. UE1 through UE5 are located throughout the system of cells shown. It is clear from the FIG. 6 that only a certain beam position is optimal for any of UE1 through UE5. Further, due to the relative positional closeness of UE5 and UE4, for example, it is apparent that the interference becomes a significant factor for consideration. It is precisely in such instances where multiple beams and multiple users congregate when the value of the inventive beam wobbling is most readily apparent. By precisely timing downlink transmissions during a period when a given user is in the most suitable beam position, interference reduction can be maximized.